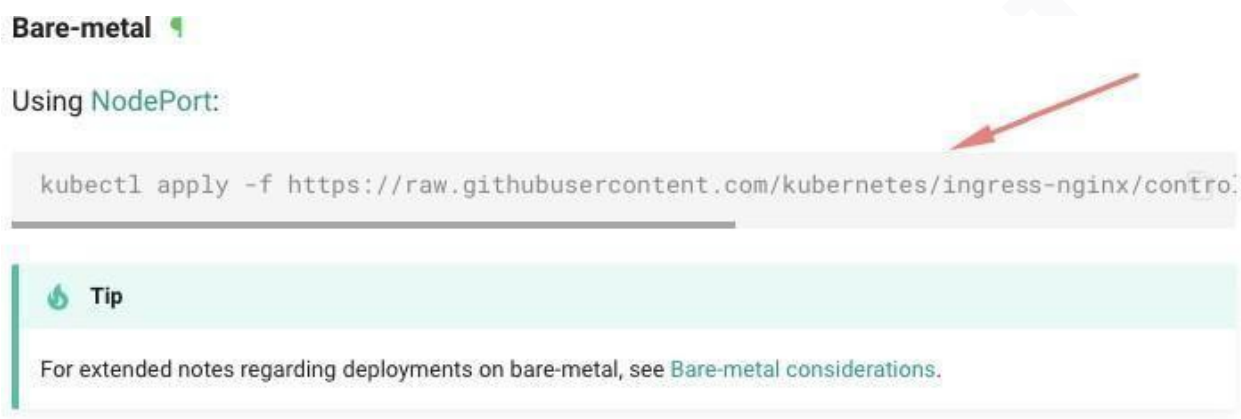
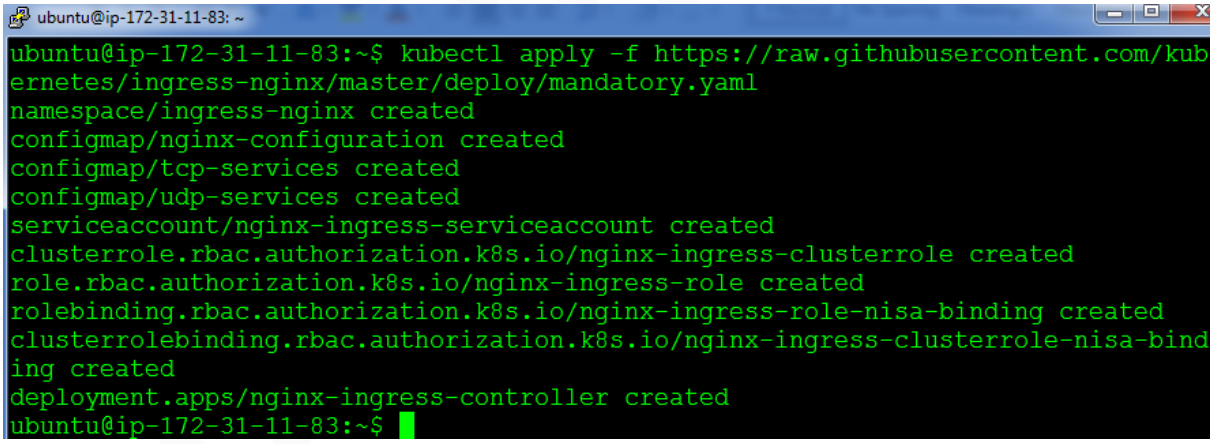
Module 7: Hands-On: Creating an Ingress

Steps for Master:

Visit this website : https://kubernetes.github.io/ingress-nginx/deploy/#bare-metal

Step 1: Copy and paste the command from the above website and paste it in the terminal

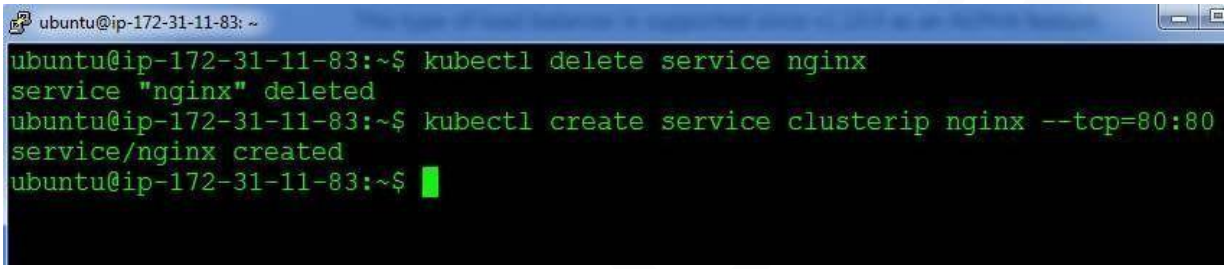




Step 3: Next, since ingress routes to only ClusterIP services, let us delete our previously created NGINX NodePort service and create a service with ClusterIP for NGINX. Use the following commands:

```
$ kubectl delete service nginx

$ kubectl create service clusterip nginx –tcp=80:80
```

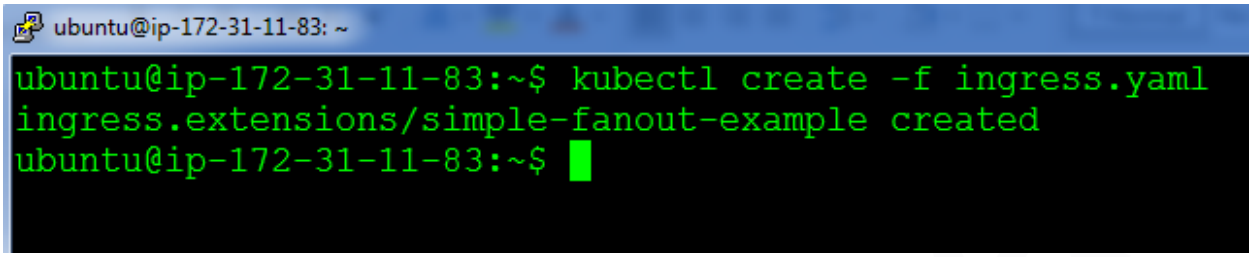


Step 4: Next, we will have to create an ingress rule. Create an ingress.yaml file with the below code:

```
apiVersion: extensions/v1beta1
kind: Ingress
metadata:
 name: simple-fanout-example
 annotations:
   nginx.ingress.kubernetes.io/rewrite-target: /
spec:
 rules:
 - http:
    paths:
    - path: /nginx
      backend:
      serviceName: nginx
      servicePort: 80
```

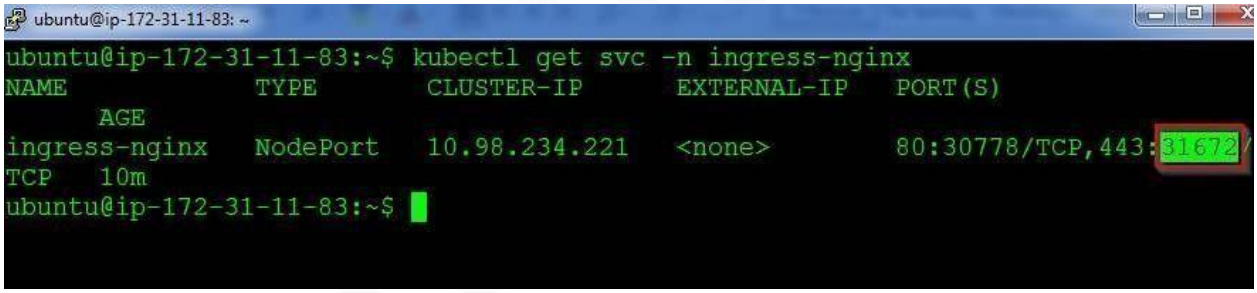

Step 5: Finally, create the ingress rule using the following command:

```
$ kubectl create –f ingress.yaml
```



Step 6: Let's verify if ingress is working or not by checking the NodePort of the ingress service. To check the NodePort use the following command:

```
$ kubectl get svc –n ingress-nginx
```



Step 7: Finally verify by browsing to https://:/nginx